



# UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE  
United States Patent and Trademark Office  
Address: COMMISSIONER FOR PATENTS  
P.O. Box 1450  
Alexandria, Virginia 22313-1450  
www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/574,225	12/13/2006	Hiroyuki Menjo	288888US8PCT	2231
22850	7590	07/01/2009		
OBLON, SPIVAK, MCCLELLAND MAIER & NEUSTADT, P.C. 1940 DUKE STREET ALEXANDRIA, VA 22314			EXAMINER CHOO, MUNSOON	
			ART UNIT	PAPER NUMBER
			2617	
			NOTIFICATION DATE	DELIVERY MODE
			07/01/2009	ELECTRONIC

**Please find below and/or attached an Office communication concerning this application or proceeding.**

The time period for reply, if any, is set in the attached communication.

Notice of the Office communication was sent electronically on above-indicated "Notification Date" to the following e-mail address(es):

patentdocket@oblon.com  
oblonpat@oblon.com  
jgardner@oblon.com

<b>Office Action Summary</b>	<b>Application No.</b> 10/574,225	<b>Applicant(s)</b> MENJO ET AL.	
	<b>Examiner</b> MUNSOON CHOO	<b>Art Unit</b> 2617	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

### Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

### Status

- 1) ☒ Responsive to communication(s) filed on 18 June 2009.
- 2a) ☐ This action is **FINAL**.                      2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

### Disposition of Claims

- 4) ☒ Claim(s) 1-10 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1-10 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

### Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 21 March 2006 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

### Priority under 35 U.S.C. § 119

- 12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All    b) ☐ Some \*    c) ☐ None of:
1. ☒ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

### Attachment(s)

- |  |   |
|--|---|
| 1) <input type="checkbox"/> Notice of References Cited (PTO-892)                     | 4) <input type="checkbox"/> Interview Summary (PTO-413)           |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | Paper No(s)/Mail Date. _____                                      |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08)          | 5) <input type="checkbox"/> Notice of Informal Patent Application |
| Paper No(s)/Mail Date _____  | 6) <input type="checkbox"/> Other: _____                          |

## DETAILED ACTION

### *Response to Arguments*

**Note: Examiner has read Applicant's remarks filed on 6/18/2009 persuasive; therefore, the previous final office action has been withdrawn. The claims stand as follows.**

### ***Claim Rejections - 35 USC § 102***

1. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

2. Claim **1, 6, and 8-10 are** rejected under 35 U.S.C. 102(e) as anticipated by Duvall et al. (US 6,876,858 hereinafter "Duvall").

Re claim 1, Duvall discloses a portable communication terminal comprising:  
data transmitting means for transmitting user data to a communication partner  
equipment, using a user channel for transmission of user data;

**(Figure 2, reference 1-2, column 1 line 60 to column 2 line 15. The user calls the control center (communication partner equipment as shown in Applicant's Fig 1**

Art Unit: 2617

**ref 30) over the cellular voice path (user channel), and the control center verify the user's id(user data))**

location requesting means for transmitting request information to request calculation of location information about the portable communication terminal (abstract: cellular phone transmit voice-requesting position or location data service. Fig 2 ref 1-2: is in accordance with the transmission of the user data.), to a location information calculating server for calculating the location information (abstract, Fig 1: Control center uses GPS/GPS-T for calculating the location information. Control center and GPS/GPS-T can incorporate with each other as the calculating server), in accordance with the transmission of the user data, using a control channel (Fig 2 ref 3-4: control channel) for transmission of control data;

location acquiring means for acquiring the location information **over the control channel** from the location information calculating server (Fig 2 ref 4: from GPS/GPS-T), the location information having been calculated (Fig 2 ref 4) based on the request information in the location information calculating server (C3 L 1-15: Base on the PIN code (information from requesting cellular phone), the Control Center is able to locate and pings to the correct transponder-GPS for position calculation); and

Art Unit: 2617

location transmitting means for transmitting, over the control channel, the location information acquired by the location acquiring means from the location information calculating server to the communication partner equipment. (Fig 2 ref 4)

Re claim 6, this method claim corresponds to the apparatus claim 1. Therefore, the analysis of rejections has already been done.

Re claim 8, Duvall discloses the portable communication terminal of claim 1, wherein the locating acquiring means acquires the location information from the location information calculating server over the control channel in parallel with the data transmitting means transmitting the user data to the communication partner over the user channel, and

**(Duvall, figure 2: Note that cell phone P1 is equipped with GPS/T, thereby provides a rational for combination. Then, the user in the car, can be calling the Call Center “C”, while the GPS/GPS-T inside the cell phone receives signal (information) from the satellite over the control channel)**

The locating transmitting means transmits the location information to the communication partner equipment over the control channel in parallel with the data transmitting means transmitting the user data to the communication partner over the user channel.

Art Unit: 2617

**(Duvall, figure 2: With P1 is equipped with GPS/T, then the user in the car, can be calling the Call Center “C”, while the GPS/GPS-T inside the cell phone transmits location information to the Call Center via control channel)**

Re claim 9-10, these apparatus claims correspond to the apparatus claims 1 and 8. Therefore, the analysis of rejections has already been done.

***Claim Rejections - 35 USC § 103***

3. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

4. Claim **2-5 and 7** rejected under 35 U.S.C. 103(a) as being unpatentable over Duvall as applied to claim 1 above, and further in view of Raith (US 6,856,807).

Re claim 2, Duvall discloses the portable communication terminal according to claim 1, but fails to disclose wherein the location requesting means continues to transmit the request information at predetermined intervals while the data transmitting means transmits the user data. Raith does.

**(Raith: abstract, column 1 line 49 to 57. The mobile terminal (includes GPS receiver) updates (involves transmitting the request information) its position)**

Art Unit: 2617

Motivation to combine may be gleaned from the prior art contemplated. Therefore, one skilled in the art would have found it obvious from the combined teachings of Duvall and Raith as a whole to produce the invention as claimed with a reasonable expectation of having the mobile terminal to update its position periodically.

Re claim 3, Duvall in combination with Raith disclose the portable communication terminal according to claim 2, further comprising movement detecting means for detecting a movement state of the location of the portable communication terminal, based on the location information acquired by the location acquiring means, wherein the location transmitting means transmits the location information in accordance with the detected movement state.

**(Raith: figure 2 references 62, 64, 66 and 68. Column 1 line 65 to 67. Update frequency (involves transmitting the location information) is made less frequent because it has detected that the mobile terminal is moving slowly or is stationary)**

Motivation to combine may be gleaned from the prior art contemplated. Therefore, one skilled in the art would have found it obvious from the combined teachings of Duvall and Raith as a whole to produce the invention as claimed with a reasonable expectation of changing the updating frequency according to the mobile terminal's moving condition, such as fast, slow or stationary.

Re claim 4, Duvall in combination with Raith disclose the portable communication terminal according to any one of claims 1 to 3, wherein the user data is motion picture

Art Unit: 2617

data taken as a picture of a subject and the data transmitting means transmits the taken motion picture data in real time.

(Raith: column 1 line 49 to 51. GPS receiver is disclosed inside of a mobile terminal.

Said GPS receiver can receive picture taken from the satellite)

Motivation to combine may be gleaned from the prior art contemplated. Therefore, one skilled in the art would have found it obvious from the combined teachings of Duvall and Raith as a whole to produce the invention as claimed with a reasonable expectation of the mobile terminal receiving pictures from the satellite by using its GPS receiver.

Re claim 5, Duvall in combination with Raith disclose the portable communication terminal according to any one of claims 1 to 3, wherein the request information contains a GPS signal transmitted from a GPS satellite.

**(Raith: column 1 line 49 to 51. GPS receiver is disclosed inside of a mobile terminal.)**

Motivation to combine may be gleaned from the prior art contemplated. Therefore, one skilled in the art would have found it obvious from the combined teachings of Duvall and Raith as a whole to produce the invention as claimed with a reasonable expectation of having a GPS receiver included inside of the mobile terminal disclosed in Duvall.

Re claim 7, Duvall in combination with Raith disclose the portable communication terminal according to claim 4, wherein the request information contains a GPS signal transmitted from a GPS satellite.



Art Unit: 2617

**(Raith: column 1 line 49 to 51. GPS receiver is disclosed inside of a mobile terminal.)**

Motivation to combine may be gleaned from the prior art contemplated. Therefore, one skilled in the art would have found it obvious from the combined teachings of Duvall and Raith as a whole to produce the invention as claimed with a reasonable expectation of having a GPS receiver included inside of the mobile terminal disclosed in Duvall.

***Contact***

Any inquiry concerning this communication or earlier communications from the examiner should be directed to MUNSOON CHOO whose telephone number is (571)270-7140. The examiner can normally be reached on Monday through Friday 7:30am to 5pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Nick Corsaro can be reached on (571)272-7876. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/Munsoon Choo/

Examiner, Art Unit 2617

Application/Control Number: 10/574,225

Page 9

Art Unit: 2617

/NICK CORSARO/

Supervisory Patent Examiner, Art Unit 2617